

**To:** Tyler, Patti[Tyler.Patti@epa.gov]  
**From:** Beeler, Cindy  
**Sent:** Tue 10/18/2016 10:48:25 PM  
**Subject:** Re: RARE Report for Your Review

Patti -

I had reviewed and provided comment on a version of this report probably several months ago now. I took a quick look at it and it seems the same. Rebecca and I have also communicated throughout, along with Madeleine Strum of OAQPS, to ensure the Uintah and Ouray Indian Reservation Tribal Minor Source Registration data we mined for operator-submitted data was being captured accurately.

This work was very helpful in test-driving two technologies for determining efficacy of control devices used by the thousands out in the oil & gas patch to control tank emissions and to speciate those combusted streams. Although this methods demonstration project was not successful in robust quantification of emissions of highly reactive VOCs from ECDs with current remote sensing systems, it identified a need for additional research to more efficiently measure emissions from ECD operations and update emission speciation profiles in SPECIATE for both properly operating and malfunctioning ECD systems and to improve our understanding of the prevalence of the latter. The team's approach, lessons learned, and findings will help as we grapple with this quantification challenge.

My involvement was mostly around mining the data from U&O Tribal Registrations, analyzing that data and preparing it to fit in the SPECIATE format. Madeleine Strum of OAQSP was extremely helpful and diligent in supporting this. Rebecca et al also examined speciation profiles from five other O&G basins so this report helps us across the country. Besides expanding aged and few oil & gas speciation profiles, it also was critical in supporting our U&O FIP rule-making efforts.

So, you could let Joan know this report moves the ball forward in understanding how to better quantify emission combustion by-products and incomplete combustion from control devices used to control emissions from O&G storage tanks and that the RA's office contributed to this effort (with my time and summer intern time) on bringing better quality speciation profiles of tank, dehyds, and raw gas in the Uinta Basin that supports ozone modeling and was critical in the rule-writing effort.

**Cindy Beeler**

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**From:** Tyler, Patti  
**Sent:** Tuesday, October 18, 2016 10:59:17 AM  
**To:** Beeler, Cindy  
**Subject:** FW: RARE Report for Your Review

## **Ex. 6 - Personal Privacy**

<b>Ex. 6 - Personal Privacy</b>	I had a call with Eben, his supervisor, Scott Jackson and Rebecca last week to discuss finalizing Rebecca and Gail's report for their RARE ECD and SPECIATE project and wanted to connect with you about whether you have already reviewed the report or not and whether you think I should share it with Joan for her review. I plan to review the report over the next two weeks. ORD is clearing the report through their process.
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Cheers,  
Patti